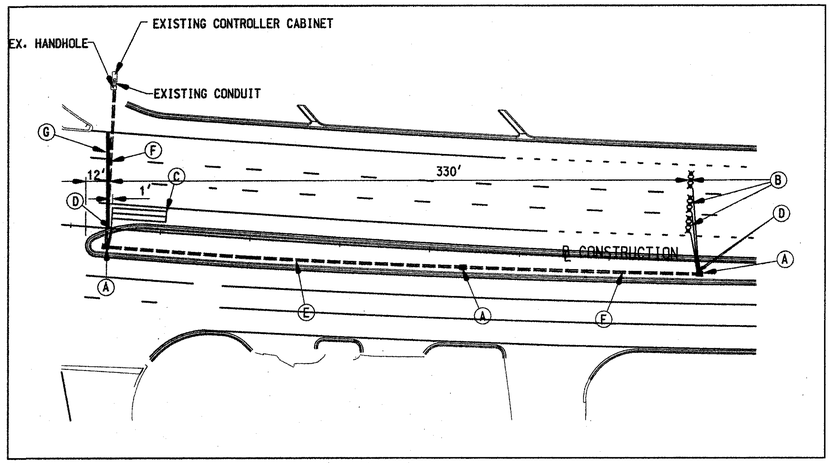
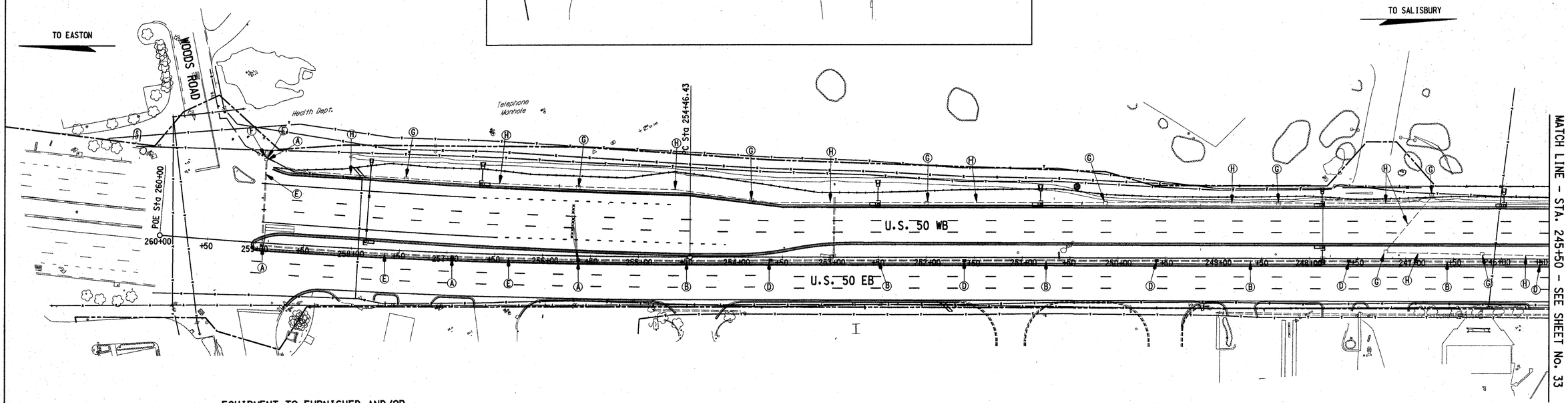
DETAIL FOR DETECTOR LOOP REPLACEMENT
NOT TO SCALE



CONSTRUCTION DETAILS FOR LOOP REPLACEMENTS

A. INSTALL HANDHOLE.
B. INSTALL MICROLOOP PROBE DETECTORS WITH 1000 FT. LEAD-IN
C. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADROPOLE TYPE LOOP DETECTOR ENCASED IN A 1/4 IN. FLEXIBLE TUBING
D. INSTALL A 1 IN. LIQUID TIGHT FLEXIBLE, NON-METALLIC CONDUIT FOR A DETECTOR WIRE SLEEVE.
E. INSTALL A 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-TRENCHED.
F. INSTALL A 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-SLOTTED PRIOR TO FINAL SURFACE COURSE.
G. INSTALL 24 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING TAPE



EQUIPMENT TO FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

DESCRIPTION	SPECIFICATION SECTION	UNIT	QUANTITY
FURNISH AND INSTALL 24 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING	556	L.F.	50
FURNISH AND INSTALL 1" LIQUID TIGHT, FLEXIBLE CONDUIT FOR DETECTOR WIRE SLEEVE	805	L.F.	25
FURNISH AND INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED	805	L.F.	10
FURNISH AND INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED	805	L.F.	80
FURNISH AND INSTALL 12 PAIR TWISTED COMMUNICATIONS CABLE (NO. 19 AWG)	810	L.F.	5430
FURNISH AND INSTALL LOOP DETECTOR WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	810	L.F.	460
FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR NO. 14 AWG (ALUMINUM SHIELDED)	810	L.F.	530
FURNISH AND INSTALL ELECTRICAL HANDHOLE	811	EA.	20
FURNISH AND INSTALL SAWCUT FOR SIGNAL LOOP DETECTOR	815	L.F.	180
FURNISH AND INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN	815	EA.	2
CAP AND ABANDON EXISTING CONDUIT	SP	L.F.	5180
REMOVE METAL GRATE FROM EXISTING HANDHOLE AND FILL WITH STONE, AS DIRECTED BY ENGINEER	SP	EA.	30

UTILITY LEGEND

——G——G—— GAS MAIN
——W——W—— WATER MAIN
——S——S—— SEWER MAIN
——E——E—— ELECTRIC CABLES
——A——A—— AERIAL CABLES
——T——T—— TELEPHONE CABLES
——SD——SD—— STORM DRAIN

CONSTRUCTION DETAILS

A. USE EXISTING HANDHOLE.
B. INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND 12 PAIR COMMUNICATION CABLE.
C. INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED AND 12 PAIR COMMUNICATION CABLE.
D. INSTALL HANDHOLE.
E. USE EXISTING CONDUIT AND INSTALL 12 PAIR COMMUNICATION CABLE.
F. INSTALL ELECTRICAL CABLE INTO EXISTING CONTROLLER CABINET AND PROPERLY TAG/LABEL EACH CABLE. INTERNAL WIRING SHALL BE COMPLETED BY MOSHA FORCES.
G. REMOVE METAL FRAME FROM EXISTING HANDHOLE, FILL WITH STONE AS DIRECTED BY THE ENGINEER.
H. CAP AND ABANDON EXISTING CONDUIT.

NOTES:

1. REFER TO TRAFFIC SIGNAL PLANS FOR ADDITIONAL DETAILS.
2. HANDHOLES SHALL BE SPACED A MAXIMUM OF 200' APART.

INTERCONNECT PLAN

SCALE { PLAN: 1"= 50'

WALLACE, MONTGOMERY & ASSOCIATES
CIVIL AND STRUCTURAL ENGINEERS
110 WEST ROAD
TOWSON, MARYLAND 21204

REVISIONS

APPROVALS
ASST. TRAFFIC ENGINEERING DESIGN DIVISION — 2-25-00
ASST. DISTRICT ENGINEER, TRAFFIC — 2-25-00
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 2-25-00
DIRECTOR, TRAFFIC & SAFETY — 03/24/00

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 50 SIX-LANE RECONSTRUCTION FROM WOODS ROAD TO BUCKTOWN ROAD

DRAWN BY:	R.K.G.	F.A.P. NO.	SEE TITLE SHEET	TS NO.	SHEET NO.
CHECKED BY:	W.J.H.	S.H.A. NO.	D0578517O	TS350A-I-C	32 OF 48
SCALE:	1"=50'	COUNTY:	DORCHESTER	T.I.M.S. NO.	
DATE:	FEBRUARY, 2000	LOG MILE:			